

PTD-1449 REPRODUCED

ATTORNEY DOCKET NO.
0050.2048-006APPLICATION NO.
10/657,724INFORMATION DISCLOSURE STATEMENT
IN AN APPLICATION

March 16, 2004

(Use several sheets if necessary)

FIRST NAMED INVENTOR
Ian W. HunterFILING DATE
09/08/03EXAMINER
Not assignedCONFIRMATION NO.
8905GROUP
3738

EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
/VPC	AA	3,057,349	10/09/1962	Ismach
	AB	3,815,594	06/11/1974	Doherty
	AC	3,977,402	08/31/1976	Pike
	AD	4,108,177	08/22/1978	Pistor
	AE	4,206,769	06/10/1980	Dikstein
	AF	4,435,173	03/06/1984	Siposs et al.
	AG	4,744,841	05/17/1988	Thomas
	AH	4,777,599	10/11/1988	Dorogi et al.
	AI	4,886,499	12/12/1989	Cirelli et al.
	AJ	5,092,901	03/03/1992	Hunter et al.
	AK	4,886,499	12/12/1989	Cirelli et al.
	AA2	5,116,313	05/26/1992	McGregor
	AB2	5,405,614	04/11/1995	D'Angelo et al.
	AC2	5,480,381	01/02/1996	Weston
	AD2	5,505,697	04/09/1996	McKinnon, Jr. et al.
	AE2	5,622,482	04/22/1997	Lee
	AF2	5,694,920	12/09/1997	Abrams et al.
	AG2	5,722,953	03/03/1998	Schiff et al.
	AH2	5,840,062	11/24/1998	Gumaste et al.
	AI2	5,919,167	07/06/1999	Mulhauser et al.
	AJ2	6,004,287	12/21/1999	Loomis et al.
	AK2	6,037,682	03/14/2000	Shoop et al.
	AA3	6,056,716	05/02/2000	D'Antonio et al.
	AB3	6,074,360	06/13/2000	Haar et al.
	AC3	6,203,521 B1	03/20/2001	Menne et al.
	AD3	6,258,062 B1	07/10/2001	Thielen et al.

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION	
					YES	NO
/NPC/	AL	EP 1 020 200 A2	07/19/2000	Weston Medical Limited		
	AM	EP 0 599 940 B1	12/29/1997	Weston Medical Limited		
*	AN	EP 0 710 130 B1	12/06/2000	Weston Medical Limited		
	AO	EP 0 834 330 A2	04/08/1998	Weston Medical Limited		
	AN	WO 00/23132	04/27/2000	KSW Systemtechnik GMBH		X
	AO	GB 686,343	01/21/1953	Becton Dickenson and Company		
	AL2	01046344 JP	02/20/2001	KAO Corp.; Nippon System		X
	AM2	06327639 JP	11/29/1994	Copal Co., Ltd.		X
	AN2	WO 01/26716 A1	04/19/2001	Needleless Ventures, Inc.		
	AO2	WO 01/37907 A1	05/31/2001	Needleless Ventures, Inc.		
	AP2	WO 02/100469 A2	12/19/2002	Glaxo Group Limited		
	AO2					
	AP3					
	AM3					
	AN3					
	AO3					
*	AP3					
	AQ3					
	AL4					
	AM4					
	AN4					
	AO4					
	AP4					
	AQ4					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VP	AR	Bischoff, J.E., <i>et al.</i> , "Finite element modeling of human skin using an isotropic, nonlinear elastic constitutive model," <i>Journal of Biomechanics</i> 33:645-652 (2000).
	AS	Diridollou, S., "Sex- and site-dependent variations in the thickness and mechanical properties of human skin <i>in vivo</i> ," <i>International Journal of Cosmetic Science</i> 22:421-435 (2000).
	AT	Flynn, D.M., <i>et al.</i> , "A Finite Element Based Method to Determine the Properties of Planar Soft Tissue," <i>Journal of Biomechanical Engineering</i> 120(2):202-210 (1998).
	AU	He, M.M., <i>et al.</i> , "Two-Exponential Rheological Models of the Mechanical Properties of the Stratum Corneum," <i>Pharmaceutical Research</i> 13:S1-S604 (1996).
	AV	Hirota, F.G., <i>et al.</i> , "An Implicit Finite Element Method for Elastic Solids in Contact," <i>IEEE</i> :136-146 (2001).
	AW	Korenberg, M.J. and Hunter, I.W., "The Identification of Nonlinear Biological Systems: Volterra Kernel Approaches," <i>Annals of Biomedical Engineering</i> , 24:250-268 (1996).
	AX	Lindahl, O.A., <i>et al.</i> , "A tactile sensor for detection of physical properties of human skin <i>in vivo</i> ," <i>Journal of Medical Engineering & Technology</i> , 22(4):147-153 (1998).
	AY	Manschot, J.F.M. and Brakkee, A.J.M., "The Measurement and Modelling of the Mechanical Properties of Human Skin <i>In Vivo</i> -I. The Measurement," <i>J. Biochem.</i> 19(7):511-515 (1986).
	AZ	Manschot, J.F.M. and Brakkee, A.J.M., "The Measurement and Modelling of the Mechanical Properties of Human Skin <i>In Vivo</i> -II. The Model," <i>J. Biomechanics</i> 19(7):517-521 (1986).
	AR2	Menciassi, A., <i>et al.</i> , "An Instrumented Probe for Mechanical Characterization of Soft Tissues," <i>Biomedical Microdevices</i> 3(2):149-156 (2001).
	AS2	Oka, H. and Irie, T., "Mechanical impedance of layered tissue," <i>Medical Progress through Technology, Supplement to Volume 21</i> :1-4 (1997).
	AT2	Patton, R.L., "Mechanical Compliance Transfer Function Analysis for Early Detection of Pressure Ulcers." Unpublished master's thesis, Massachusetts Institute of Technology, Cambridge, MA. (1999).

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/NPG/AU2

 Reihnsner, R., *et al.*, "Two-dimensional elastic properties of human skin in terms of an incremental model at the *in vivo* configuration," *Med. Eng. Phys.* 17(4):304-313 (1995).

AV2

 Soong, T.T. and Huang, W.N., "A Stochastic Model for Biological Tissue Elasticity,"
 Proceedings of the Fourth Canadian Congress of Applied Mechanics, Montreal, Canada (1973).

AW2

 Zhang, M. and Roberts, V.C., "The effect of shear forces externally applied to skin surface on
 underlying tissues," *J. Biomed. Eng.* 15:451-456 (1993).

AX2

AY2

EXAMINER

/Victoria P Campbell/

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12/04/2007

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